

Amendments to the Claims:

Please amend the claims as follows:

Claims 1-18 (Cancelled).

Claim 19 (Currently amended): A crystal form screening workstation comprising:

- (1) a plurality of racks removably mounted to a first rack holder, each rack adapted to hold a plurality of vessels;
- (2) sampling means movably mounted to a first automated arm assembly, the first automated arm assembly adapted to effect programmable manipulations of the sampling means along paths extending within the vessels and over the racks;
- (3) a fluid movement controller adapted to withdraw fluid from and deliver fluid to the vessels of the racks through the sampling means;
- (4) a first valve fluidly communicating with the fluid movement controller via a transfer line interposed therebetween;
- (5) a second valve fluidly communicating with the sampling means;
- (6) a filter line interposed between the first and second valves ~~and communicating with a filter medium; and~~
- (7) a filter medium disposed in or at an end of the filter line; and
- ~~(87)~~ a bypass line interposed between the first and second valves, wherein the first and second valves are adjustable alternately to define a first fluid conduit between the transfer line and the sampling means through the filter line and to define a second fluid conduit between the transfer line and the sampling means through the bypass line.

Claim 20 (Currently amended): The workstation according to claim 19 wherein the sampling means is a needle having a channel through which fluid can pass.

Claim 21 (Original): The workstation according to claim 19 wherein one of the racks holds an ultrasonic bath.

Claim 22 (Original): The workstation according to claim 21 wherein the ultrasonic bath includes means for transferring ultrasonic energy cyclically at predetermined intervals.

Claim 23 (Original): The workstation according to claim 22 wherein the ultrasonic transferring means includes a thermostat.

Claim 24 (Original): The workstation according to claim 21 wherein the ultrasonic bath includes a cooling tube disposed in contact with liquid residing in the bath, the cooling tube adapted to permit a heat transfer medium to be circulated therethrough to regulate the temperature of the bath.

Claim 25 (Original): The workstation according to claim 19 wherein one of the racks is a quartz microtitre plate.

Claim 26 (Original): The workstation according to claim 19 wherein one of the racks holds an array of wells.

Claim 27 (Original): The workstation according to claim 19 wherein one of the racks includes a bracket adapted to hold an array of vials.

Claim 28 (Original): The workstation according to claim 19 wherein the first automated arm assembly includes:

- (1) a vertical arm mechanically linked to the sampling means and adapted to permit vertical translation of the sampling means along a z-axis;
- (2) a horizontal arm slidably connected to a frame of the workstation and adapted for horizontal translation along an x-axis, wherein the vertical arm is movably mounted to the horizontal arm to permit horizontal translation of the vertical arm along a y-axis; and
- (3) a motor assembly in actuating engagement with the horizontal and vertical arms to control manipulation of the sampling means along programmable paths.

Claim 29 (Original): The workstation according to claim 19 further comprising a second automated arm assembly adapted to effect programmable manipulations on the

racks including installing the racks in and removing the racks from the first rack holder.

Claim 30 (Original): The workstation according to claim 19 further comprising a second rack holder and a second automated arm assembly adapted to effect programmable manipulations on the racks including installing the racks in and removing the racks from the first and second rack holders and transporting the racks to and from the first and second rack holders.

Claim 31 (Original): The workstation according to claim 30 wherein the first and second rack holders are joined as a single unit.

Claim 32 (Original): The workstation according to claim 30 wherein the second automated arm assembly includes a base having a slot, a boom support member disposed in moving engagement with the slot, a boom extending from the boom support member, and a boom head disposed on an end of the boom and adapted to releasably engage the racks.

Claim 33 (Original): The workstation according to claim 19 wherein the fluid movement controller includes:

- (1) a syringe comprising a column and a movable boundary disposed within the column; and
- (2) a third valve fluidly communicating with a fluid supply source, the syringe, and the transfer line.

Claim 34 (Original): The workstation according to claim 33 wherein the movable boundary is actuated by a stepper motor.

Claim 35 (Original): The workstation according to claim 19 further comprising a fluid reservoir communicating with the fluid movement controller.

Claim 36 (Original): The workstation according to claim 19 further comprising an injector adapted to receive fluid from the sampling means and deliver fluid to a liquid chromatography device.

Claims 37-64 (Cancelled)